



# COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

## FORENSIC CHEMIST II

Job Number: 20000941

Job Code: 40590V000101

Job Group: 4000 - HEALTH SCIENCE AND LABORATORY

Job Established: 02/16/2005

Job Revised: 04/16/2007

Grade: 15 Salary (MIN - MID):

\$19,882-\$26,339 - Hourly

\$3,230.84-\$4,280.10 - 37.5 Hr. Monthly Salary

\$3,446.22-\$4,565.44 - 40 Hr. Monthly Salary

Special Entrance Rate:

NONE

NONE

NONE

### PROBATIONARY PERIOD:

This job has an initial and promotional probationary period of 12 months. For additional information refer to: <http://www.lrc.ky.gov/kar/101/001/325.htm>.

**CHARACTERISTICS OF THE JOB:** *Characteristics of a job are general statements indicating the level of responsibility and discretion of positions in that job classification. These are not intended to be an exhaustive list.*

Performs forensic based chemical analysis in accordance with accredited methods, analyses and comparisons of liquid, solid and/or gaseous materials, substances and/or compounds submitted for examination pursuant to criminal investigations; and performs other duties as required.

### MINIMUM REQUIREMENTS:

#### **EDUCATION:**

Graduate of a college or university with a bachelor's degree in chemistry OR forensic science with a concentration or emphasis in chemistry (transcript review must indicate a "concentration in chemistry" or an "emphasis in chemistry").

#### **EXPERIENCE:**

Must have one year of professional chemistry experience in a forensic laboratory.

#### **Substitute EDUCATION for EXPERIENCE:**

NONE

#### **Substitute EXPERIENCE for EDUCATION:**

NONE

#### **SPECIAL REQUIREMENTS (AGE, LICENSURE, REGULATION, ETC.):**

NONE

**EXAMPLES OF DUTIES OR RESPONSIBILITIES OF THE JOB CLASSIFICATION:** *Examples of duties or responsibilities are not to be construed as describing what the duties or responsibilities of any position shall be and are not to be construed as limiting the appointing authority's ability to assign, or otherwise alter the duties and responsibilities of a position. This is not intended to be an exhaustive list.*

Analyzes and completes evidentiary casework. Performs chemical analysis in one or more of the forensic disciplines including: Solid Dose Drug Identification, Blood Alcohol Quantitation, Breath Alcohol Analyses, Toxicological Drug Identification and Quantitation, Gunshot Residue Analyses, Paint, Hair, Fiber and/or Glass Comparisons, Fire Debris Analyses, Explosives and Explosive Residue Analyses, and/or Soil and Fertilizer Comparisons. Operates, maintains, and often repairs instrumentation including: Gas Chromatographs, Mass Spectrometers, FTIR Spectrophotometers, Breath Alcohol Instrumentation, Inductively Coupled Plasma-Mass Spectrometer, Glass Refractive Index Measuring System, Scanning Electron Microscope, Stereomicroscopes, Fluorescence Microscope, X-Ray Diffractometer, X-Ray Fluorescence, and more. Prepares reports on the results of chemical analyses for court purposes. Receives evidence and is responsible for its security until returned to the submitting officer or agency. Makes reagents necessary for chemical analysis. Reviews scientific literature and attends conferences and training courses to maintain analytical techniques. Provides technical assistance to agency personnel. Presence may be required at crime scenes to assist with evidence gathering and processing. Enforces departmental procedures as they relate to laboratory operations. Prepares evidence for presentation in court and may testify in court as an "expert witness" regarding examination results.

**UNIQUE PHYSICAL REQUIREMENTS:**

The work requires standing for long periods of time and possibly assisting in lifting dead bodies.

**TYPICAL WORKING CONDITIONS:** *Incumbents in the job will typically perform their job duties under these conditions.*

Incumbents in this classification will typically perform their job duties in a forensic laboratory setting. May have some contact with contagious diseases and/or body fluids. Regular handling of sharp surgical instruments. Regular exposure to noxious odors, chemicals substances and biohazardous compounds.

**ADDITIONAL REQUIREMENTS:**

Upon appointment, employees in this class may be required to maintain a valid driver's license and required to drive a licensed vehicle. This status may be necessary for the length of time in this class. If this is necessary it will be listed in the specific position description for that position. Applicants and employees in this job title may be required to submit to a drug screening test and background check. Applicants and employees in positions which perform job duties that may require contact with offenders in the custody or supervision of the Department of Corrections or with youth in the care, custody, or supervision of the Department of Juvenile Justice must meet qualifications pursuant to the federal Prison Rape Elimination Act, 28 C.F.R.115.17 and 115.317.

*THE COMMONWEALTH OF KENTUCKY DOES NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, SEXUAL ORIENTATION OR GENDER IDENTITY, ANCESTRY, AGE, DISABILITY, POLITICAL AFFILIATION, GENETIC INFORMATION OR VETERAN STATUS IN ACCORDANCE WITH STATE AND FEDERAL LAWS.*